Applicant: Kiyoshi Mita Attorney's Docket No.: 14225-049001 / F1040149US00

Serial No.: 10/813,782 Filed: March 31, 2004

Page : 2 of 7

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A semiconductor device, comprising:
- a mounting substrate having a first main surface and a second main surface opposite the first main surface;
- a step portion <u>formed</u> in a periphery <u>of the first main surface of the mounting substrate</u> thereof;
- a <u>first</u> conductive pattern formed on [[a]] <u>the first main</u> surface of the mounting substrate located inside the step portion;
- a second conductive pattern formed on the second main surface of the mounting substrate;
- a semiconductor element fixed to the first main surface of the mounting substrate and electrically connected to the first conductive pattern; and
- sealing resin covering the <u>first main</u> surface of the mounting substrate and the step portion to seal the semiconductor element,
- wherein a side surface of the sealing resin and a side surface of the mounting substrate are located on a same plane.
- 2. (Currently Amended) The semiconductor device according to claim 1, wherein the <u>first</u> conductive pattern comprises a bonding pad electrically connected to the semiconductor element through a fine metallic wire and a plating line extending from the bonding pad to the step portion.

Attorney's Docket No.: 14225-049001 / F1040149US00

Applicant: Kiyoshi Mita Serial No.: 10/813,782 Filed: March 31, 2004

Page : 3 of 7

3. (Original) The semiconductor device according to claim 2, wherein a plurality of the bonding pads are arranged so as to surround the semiconductor element, further comprising a wiring portion extending from each of the plurality of bonding pads under the semiconductor element.

4. (Withdrawn) A method of manufacturing a semiconductor device, comprising:
forming first conductive patterns which constitute units and common plating lines on a
front surface of a substrate, each of the units comprising bonding pads and plating lines
extending from the respective bonding pads to a periphery, the common plating lines electrically
connecting the plating lines of the units;

forming second conductive patterns on a back surface of the substrate, the second conductive patterns being electrically connected to the respective first conductive patterns;

forming a plated film to a surface of the first conductive patterns by electroplating using the common plating lines;

forming grooves on the front surface of the substrate by dicing the front surface of the substrate including the common plating lines to electrically separate the conductive patterns; placing semiconductor elements on the front surface of the substrate;

providing sealing resin which fills the grooves and seals the semiconductor elements; and separating the semiconductor elements by dicing the substrate and the sealing resin at borders of the units.

- 5. (Withdrawn) The method of manufacturing a semiconductor device according to claim 4, wherein the units are arranged in a matrix, and the common plating lines extend along the borders of the units into a grid.
- 6. (New) The semiconductor device according to claim 1 wherein the mounting substrate comprises a resin.

Applicant: Kiyoshi Mita Attorney's Docket No.: 14225-049001 / F1040149US00

Serial No.: 10/813,782 Filed : March 31, 2004 Page : 4 of 7

7. (New) The semiconductor device according to claim 1 wherein the second conductive pattern comprises electrodes arranged in a matrix.